

THE TECH



CAMBRIDGE, MASS.
FRIDAY, MAY 5, 1950
PRICE FIVE CENTS
VOL. LXX NO. 25

THE OFFICIAL NEWSPAPER
OF THE M.I.T. UNDERGRADUATES

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After Hours Page 4

Physics Instructors Offered Courses In Summer Session

Five series of lectures in modern physics will be offered at the Institute from July 10 to August 18 for graduate students, college and high school physics teachers. Research, recreational, and living accommodations will be available for those interested in attending.

Professor P. Scherrer, Zurich, will lecture on experimental atomic physics and Professor E. Amaldi of the University of Rome will lecture on nuclear physics. Institute Professor V. F. Weisskopf will lead a course in the theory of nuclear reactions; P. M. Morse in special relativity; and J. R. Zacharias in radio-frequency spectroscopy of atoms and molecules.

Tuition for the six-week course

'The Electronic Age' To Be Wiener's Topic In Lecture On Monday

Norbert Wiener, Technology's well-known professor of mathematics, and author of *Cybernetics*, will give a lecture entitled "The Electronic Age" on Monday, May 8, at 5:00 p.m. in Room 10-250. The talk, sponsored by Lecture Series Committee, will be concerned with the possibility of automatic operation of factories, and the social effects of such a revolutionary change.

Since in an automatic factory accounting as well as supervision and operation may be done by electronic devices, the only useful functions that humans would have would be maintenance and engineering. Even these jobs could be greatly simplified. The consequent unemployment and social change may be the outstanding problem of an automatic future.

In a forthcoming book, *The Human Use of Human Beings*, Professor Wiener discusses this question more deeply.

Seniors To Orient Frosh And Promote Scholarship Under New Advisor Plan

Next year's Freshman Dormitories will introduce a Senior Advisor Plan designed to benefit both the Freshmen and the Seniors. The plan presents opportunities for seniors to be of service to the Institute and at the same time receive financial remuneration.

Those who qualify for the position of advisor will live in the dormitories and will have definite responsibilities, according to Dean of Students Everett M. Baker.

Will Answer Questions

They will be expected to act as a friend to the freshmen living on the advisor's floor, and answer questions concerning the Institute, Boston, and other schools. Advisors will also be expected to stimulate initiative among the freshmen to meet their instructors at conference hours and seek help on questions about their work.

The advisors will not be expected to schedule regular hours for conference periods, but attendance at Freshman Weekend and a monthly meeting in the Dean of Students office is requested. The presence of advisors in the freshman dormitories is expected to be a good influence in maintaining an atmosphere of orderliness and group self-discipline.

will be \$100, but Technology graduate students enrolled in the summer session will be admitted free. No academic credit for the courses will be given. Further information and application blanks may be acquired from Professor John C. Slater, Department of Physics, Room 6-113.

Nuclear Machines Will Be Displayed Open House Day

The "lamp that isn't there" experiment will highlight Physics Department exhibits at this year's Open House, to be held on Saturday, May 13.

Through the use of a tricky optical system, a person approaching from a particular direction seems to observe a lamp burning in a socket. The bulb is actually mounted underneath the system, and when the visitor passes by, the illusion vanishes and he sees nothing but an empty socket. Course VIII undergraduates will explain the phenomenon to puzzled onlookers.

Lipsticks Will Be Analyzed

Another Physics exhibit will consist of a spectrophotometer which is used to analyze the color content of women's lipsticks. Female visitors will thus be able to obtain a free lipstick analysis. Other exhibits involve ultraviolet radiation and polarized light.

All of the Institute's nuclear machines will be open for inspection, although they will probably not be operating. Visitors will have an opportunity to observe the cyclotron, the new 300 m.e.v. synchrotron, the linear accelerator, and various high-voltage generators. All will be explained by members of the Laboratory for Nuclear Science and Engineering.

Acoustics Lab Features Noise

The Acoustics Laboratory will also be open to the public. Visitors will be shown an "anechoic" chamber, with a bank of 256 loudspeakers forcing sound through a panel into a "soundproof" room. A microphone in a water-filled tank will operate a loudspeaker to demonstrate underwater sound conduction.

A directional microphone, picking up sound only from a preferred direction, will be demonstrated for onlookers. Other exhibits include an experimental acoustic studio, an ultrasonic generator, and acoustical baffling.

Tech Dixieland Band To Play As Guest Jazzmen At Savoy

M.I.T.'s "Dinner Music Society of Upper Beacon Street" will mark its fourth month of successful operation with a radio broadcast from the stage of the Savoy, Boston jazz center. The broadcast, from 4:00 to 4:30 p.m. this Sunday on station WTAO, will be part of a three-to-six-o'clock stand during which the six-man Dixieland combo will appear as guest stars at the Savoy.

The founding members, Bob Butters, trombone, Bill Phinney, trumpet, John MacPherson, bass, Nat Levine, clarinet, Bob Couillard, piano, and Ronnie Lund, drums, made their formal debut as the Dinner Music Society last February

Numerous Weird Effects Produced By Light Magic

"Light Magic," a demonstration of General Electric Products of a somewhat unusual nature, was presented by Mr. L. S. Cooke of General Electric Co. last Monday. The demonstration, sponsored by the student branch of AIEE-IRE, was



Photo by Honigsberg
Mr. L. S. Cooke demonstrating a special bulb which produces light so intense that movies can be taken with it at the rate of 30,000 frames per second.

brought back to Technology as a result of its favorable reception last year.

Mr. Cooke opened the demonstration by giving a brief summary of the history of man's attempts to replace the sun, showing bulbs of various types ranging from Edison's first carbon-filament lamp to G.E.'s newly developed medical lamp, half the size of the renowned "grain of wheat" lamp.

Pointing out that most household bulbs are for great intensity, and designed to burn out in about 700

(Continued on Page 3)

Stud-Faculty Room Accommodates Forty

Student-Faculty Committee has provided facilities for informal student-faculty relationship in the form of a Lounge in Room 2-290. The lounge may be used for "bull sessions," teas, or discussions. There are seating accommodations for forty people and complete facilities for preparing and serving refreshments.

Use of the Student-Faculty Lounge may be obtained by any group of students and faculty by contacting Mrs. Sprissler, Room 2-287, or through a member of the Student-Faculty Committee who will be in the lounge from 5:00 to 6:00 p.m. daily.

Memorial Drive Meters Create Growing Pains With Parking Problems

Four Students Jailed On Larceny Charge; Bail Placed At \$5000

Bail of \$5000 has been set for each of the four Institute students arrested early yesterday morning as "suspicious persons." According to Cambridge Police the men are accused of larceny, and at present are being held in custody.

After a wild 80-mile-an-hour chase along Massachusetts Avenue they were apprehended on Green Street. At the time of their "capture" they were unable to produce registration papers for the vehicle.

The Office of the Dean of Students has made no comment and no further action will be taken by the Institute until the case has been settled in the civil court.

Inst. Comm. Favors Camp Wonderland For 1950 Freshmen

At the Wednesday meeting in Litchfield Lounge, Institute Committee passed a resolution recommending that part of next year's Freshman Camp be held away from campus at Camp Wonderland. Members of Freshman Committee favored holding the entire camp here at the Institute in order to save expense.

The committee members are Gustave J. Rath, '52; Frederick G. Lehmann, '51; C. John Jacoby, '50; Theodore A. Mangelsdorf, '51; William E. Pennisi, '53; Edward J. Margulies, '52; and Robert M. Lucas, '51.

Harold R. Lawrence, '52, was elected Secretary of the Judicial Committee and Nicholas Melissas, '52, was approved as the dormitory member of this committee.

Student Faculty Committee reported that there will be a forum on May 15 in Room 10-250, on the Institute financial picture.

Robert M. Briber, George Weiss, and J. Burgess Jamieson were approved as junior members of the Walker Memorial Committee.

Netmen Smash Boston College 7-2 Monsalvatge Wins Fifth Straight

Tech's tennis team swept to a decisive 7-2 victory over the Eagles of B.C. last Tuesday afternoon on foreign courts. The Engineers were triumphant for the third straight time, having previously posted wins over R.P.I. and Bates.

The Beaver had relatively little trouble shooting down the highflying B.C. Eagle, as Coach Summers charges took five of the six singles matches. Gerry Monsalvatge, playing in the number 1 spot, outclassed Ginty of B.C. as he won his fifth straight match. He is unbeaten this season. St. John Bain and Morley Drucker extended their winning streaks to four each, while Bob Furman and Pete Ney, each of whom got off to a slow start this year, seem to have hit their stride as they clocked off their second consecutive wins.

After the Beavers had sewed up the meet in the singles, and Monsalvatge and Bain had teamed up to blast the Eagles in the number

Police To Provide Plenty Protection

Action is being taken to see that only Institute personnel use existing parking lots, but no immediate solution for the lack of parking space for hundreds of Institute cars is in sight. Recently aggravated by the installation of the parking meters on Memorial Drive, the facilities will receive another blow when construction on the new Biology and Food Technology Building is begun.

According to Malcolm G. Kispert, Administrative Assistant to the President, the policy next fall will be to issue stickers to Technology men for the use of the west end parking lot near Briggs field. Police will be hired to see that only cars with stickers use the grounds. The small area next to the Armory will probably be left open for those unable to get a reservation.

Institute Committee Protests

This procedure was worked out by the Administrative Council, and has the support of the faculty committee on parking, headed by Professor Samuel H. Caldwell of the Department of Electrical Engineering. Both committees realize that most students will be unable to afford the forty cents per day parking meter charge on Memorial Drive, but the Institute was powerless to prevent their installation.

Institute Committee has sent a letter to the Metropolitan District Commission protesting the decision. A petition sponsored by the 5:15 Club, with over seven hundred signatures, has been enclosed with the message. Inst. Com. will be ready should the M.D.C. grant its request for a personal interview on the matter. A committee has been appointed to prepare a case for the Institute.

Not Enough Free Land

Even should the M.D.C. ruling be reversed, and the parking meters removed, Technology will continue to have a serious parking problem. Nearly every college is in the same situation; there are just too many cars and not enough free land.

one doubles, Coach Summers substituted in the last two doubles matches. Holden & Matthews came through with a win in their first varsity competition, thus matching the feat of Mar & Beckett who, after winning last Friday, were beaten by Pierce and Chisholm of B.C. in the most bitterly fought match of the afternoon.

This afternoon the squad treks to Amherst to engage the Lord Jeffs, one of the most powerful teams in the East. After this rugged test the Beavers return to Briggs Field to engage Worcester Polytechnic Institute.

The individual scoring was as follows:

Singles: Monsalvatge (MIT) defeated Ginty (BC) 6-1, 6-4. Bain (MIT) defeated Maloney (BC) 6-3, 6-2. Drucker (MIT) defeated Pierce (BC) 6-4, 6-0. Ney (MIT) defeated Chisholm (BC) 6-4, 6-0. Reeves (BC) defeated Bent (MIT) 6-4, 6-0. Furman (MIT) defeated Reny (BC) 6-2, 6-2. Doubles: Monsalvatge & Bain (MIT) defeated Ginty & Maloney 6-3, 6-2. Pierce & Chisholm (BC) defeated Mar & Beckett 4-6, 6-2, 8-2. Holden & Matthews (MIT) defeated Reeves & Henkin (BC) 6-4, 6-1.

The Tech

VOL. LXX

FRIDAY, MAY 5, 1950

NO. 25

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Telephones: KIRKland 7-1881, 7-1882.
Business—Room 335, Walker Memorial. Telephone: KIRKland 7-1881.
Mail Subscription \$3.00 per year, \$5.00 for two years.
Published every Tuesday and Friday during college year, except during college vacation, under the Act of March 31, 1879.
Represented for national advertising by National Advertising Service, Inc., College Publishers Representative, 420 Madison Ave., New York, N. Y.

Night Editor: S. Parker Gay, Jr.

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SUBSTANDARD

Freshmen soon learn that their course in Military Science is an inevitable part of their education here at Technology. Although the great majority are not very happy about the hours they must spend on the drill fields and in map-reading classes, they find that these things must be classified along with death and taxes if they want a degree from the Institute. Undoubtedly some of them have inquired around to find out just why a two-year term of R.O.T.C. training is compulsory here. Usually they find out that the Institute long ago got some land from the United States government under the terms of the Morrill Act, which created the land-grant colleges and instituted the M. S. courses in these schools. Casual investigations usually stop right here, since something that exists as a result of an act of Congress and has been established for almost ninety years presents a formidable impression of permanence.

The unwilling part-time soldiers do a lot of griping about the Military Science courses to which they are subjected. They complain that the three hours consumed by the course every week are a total waste of time, when time is precious to students at Technology. The subject material of the courses, presented in the most infantile manner, is of virtually no interest to a future scientist or engineer. A knowledge of how to make out a morning report has no application in research, engineering, or even in business, they complain. In general, the morale of the students undergoing the compulsory M. S. courses is rock bottom. Class lectures are often nothing more than a joke, to students and instructor alike. The standard of ethics involved in taking a quiz in one of these courses has been a laughing matter for a long time. Even those students who might get something out of a good military course fall into line with the predominant attitude, and so everyone laughs about M. S.

It is unfortunate that such a condition should exist at Technology. If a compulsory Military Science program is to be maintained here, we feel that it ought to measure up to a higher standard than it does at present. The unit is evidently a comparatively good one, since blue stars are worn on the uniforms to indicate that the Army considers it up to scratch in comparison with the R.O.T.C. units of other schools. This may be so, but it certainly isn't up to scratch by the standards of the Institute. There is a great deal to be gained by improvement of the present situation. In addition to the benefits which the student would incur, the advanced R.O.T.C. unit here sadly needs the increased student respect which it would get if our undergraduates were not poisoned to the entire R.O.T.C. program during their first two years.

The first step in the direction of general improvement should begin with the administration of the Military Science program as now exists here. With only a small effort it would be possible to make the present courses at least acceptable to someone on the mental level of our freshmen and Sophomores. Simply by revising the present courses, which seem to have been designed for people of the mental level of high school freshmen, to a slightly more sophisticated plane, would do a great deal. However, this in no way represents a complete or ultimate solution to the problem, and we shall discuss some of the more significant possibilities in the future.

In The Spotlight

Last January 10, a small, modified light aircraft settled down on Briggs field. The plane landed in a space of less than 100 feet. This week we turn the spotlight on the Institute personality responsible for the development of this revolutionary airplane.

Professor Otto C. Koppen is an expert on stability and control in aircraft. He was graduated from the Institute in 1924 and has been associated with aeronautics in one form or another throughout his entire professional career. Following graduation, he found employment with Henry Ford, designing a personal aircraft for the auto magnate. This plane later shattered the distance flight record from Detroit to Miami, and is now exhibited in the Ford Museum, Dearborn, Michigan.

After working for the NACA and Fairchild Aircraft he joined the faculty in 1929. His appointment to the professorship followed soon.

Designed Plastic Plane

Since then the professor has busied himself with such projects as developing, along with Professor Newell, the first cellulose-plastic airplane body. He gained experience in small plane design when, in 1935, he developed the "Family



Photo by Astrachan

PROF. O. C. KOPPEN

Flivver," a craft with simplified controls and had additional safety features.

The lack of interest in such planes forced ideas to the back of his mind as he busied himself at the Institute and in vital war-work. During the war, Professor Koppen was chief aeronautical engineer for Henry J. Kaiser.

Shortly after the end of the war Professor Koppen met Lynn Bollinger, Harvard expert on airplane and airport financing. Bollinger

was lamenting the sharp decrease in small plane purchases. Koppen commented, "If you can have your plane near your home or close-by in town, don't buy it." This often-quoted statement. Professor Koppen's started a real interest from which grew now world-famous Heliplane.

Used Own Funds

Two years of designing brought the craft to near completion as a pair struggled on their own funds in the borrowed hangar of Wiggins Airport, Norwood. One morning, Koppen took plane out to test its landing. After taxiing 100 feet he found self airborne.

Faster flights which were thorough and more anticipated confirmed the fondest hopes of designer. The craft was stall-proof, could land or take off from a tennis court, and was simple to operate that any automobile driver could fly it with minimum of instruction.

Koppen and Bollinger recently announced that the Heliplane will be in production late this summer. Manufacturing rights are shared by the Wiggins Company and Aeroflight Aircraft Corp., leader in the aviation field. The plane is expected to sell for only \$500 more than ordinary craft of the same type.

Acclaimed in LIFE

For his achievement, Prof.

(Continued on Page 4)

Letters to the Editor

Editors, The Tech

Dear Sirs:

For many years the annual Embassy sponsored by the T.C.A. has been the chief stimulus provided at M.I.T. toward serious religious thinking. The Embassy speaker always prompts discussion. This year, President Killian, speaking on "The Search for Virtue," will undoubtedly be most provocative and enlightening. I do not know what qualities of character and conduct he will describe as virtuous, but I am certain that what he will say will inform our thinking and clarify our ideas about religion and our ways of living.

Of almost equal importance will be the discussion meetings that will follow President Killian's address in most fraternity houses and in dormitory groups. To these have been invited Faculty Members, Ministers, Priests and Rabbis—men competent in the realm of religion. The opportunity to talk with them about the problems of philosophy, religion and life that still vex men's minds is one to be welcomed by all of us.

For information about discussion groups call at the T.C.A. office.

The T.C.A. has provided again a rare privilege which should be enjoyed by a very large number of our students and faculty.

Everett Moore Baker
Dean of Students

Boston Baedeker

By RICHARD J. POWELL

Doing anything this afternoon at three? No? Then why not come and hear an E-46 recital. The program is a pleasing one—two works of Beethoven, the Violin Concerto in D and the "Spring" Sonata. In the concerto Klaus Liepmann shall be soloist with the eighty-eight members of the 2-190 orchestra, under the direction of Gregory Tucker. The Sonata No. 5 in F for Violin and Piano completes the program. Remember—you are welcome to attend the E-46 recital this afternoon at 3 p.m. in Room 2-190.

Two dates to keep in mind: May 10th and May 12th. On Wednesday, May 10th, Willem Valkenier will be guest artist at an E-46 concert. Mr. Valkenier, who has just retired from his position as principal French Horn player with the Boston Symphony, will join Messrs. Liepmann and Tucker in Brahms' Trio in E-flat. On the evening of May 12th, the Opera Department of the New England Conservatory will present Monteverdi's "L'Incoronazione di Poppea." There will be no admission charge.

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SPORTS SLATE

Friday, May 5

Varsity Golf.....at Worcester
Varsity Tennis—
MIT vs. Amherst.....Away
Freshman Tennis—
MIT vs. Keene.....Away

Saturday, May 6

Lightweight Crews—
Varsity, Junior Varsity,
and Freshman.....at Yale
Varsity Tennis—
MIT vs. WPI.....Briggs 2:00
Freshman Tennis—
MIT vs. Brown.....Away
Varsity Golf.....at Worcester
Varsity Baseball—
MIT vs. WPI.....Away
Freshman Baseball—
MIT vs. Tufts.....Briggs 2:00
Varsity Sailing—
N. E. Championships.....
at Edgewood, R. I.
Varsity Lacrosse—
MIT vs. New Hampshire.....
Briggs 2:00
Freshman Lacrosse—
MIT vs. Gov. Dummer.....Away

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Tech Stickmen Lose
To Harvard Varsity
And Frosh 18-5, 7-4

Wednesday afternoon the Beaver lacrosse teams traveled up river to meet the Crimson. The varsity was thrown for an 18-5 loss while the freshmen dropped a close one by a 7-4 count.

In the first period the Crimson struck the opening blow but Huckle soon knotted the count with his first of three goals. The end of the first frame saw the Harvard team out in front 3-1. Huckle scored the lone Tech goal of the second period against four for Harvard to give the boys from upriver a 7-2 advantage at the intermission.

Ayerigg opened up fast in the third period with a goal after only 25 seconds of play, but the Crimson countered 18 seconds later. In this quarter Huckle scored again for the Engineers but five goals were scored by Harvard to give them a commanding 12-4 lead.

During the fourth frame the Crimson hit the net six times while Newcomer scored Tech's lone goal of the period. Harvard's 18 points were evenly divided among the team with the high scoring honors going to Waring with only three goals to his credit.

In the freshman game Karney scored for Tech after three minutes of play but the Crimson tied the count two minutes later. In the second period Ehrenfeld and Murray scored for the young Beavers while Harvard garnered only one point

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Tufts Nine Edges Beavers, 4-3,
In 10 Innings; Dixon Walks 12

By LEO SARTORI

Amos Dixon walked twelve Tufts batters on Briggs Field last Wednesday afternoon, and survived the first eleven. However, the twelfth came home and cost him a 4-3 decision in a well-played ten-inning struggle.

After Bill Burnes had strolled to open the extra frame, Don Lowe singled him to second. Al Bennett, twice previously a strikeout victim, then singled to center and Burns came in with the winning run. Bud Niles, curvballing Jumbo right-hander, protected his lead in the Tech half, retiring pinch-hitters Harsch and King on outfield flies and striking out Dave Gushee to end the game.

Dixon Off to Shaky Start

The first inning looked like a Tufts rout in the making, as Dixon allowed two hits and three walks to the first five batters to face him. However, with two runs in, bases loaded and no one out, he started a double play on a come-backer, and struck out Bennett to end the inning. Thereafter Dixie was tough, allowing only two hits over the next eight innings.

Tech picked up one run in the second frame when Mike Johnson singled to right, stole second, and scored as first baseman Minot threw wildly to third base after having made a nice play to retire Warren Fenster. Dixon then singled, but the rally was choked off when left fielder Fobert made a nice shoe-string catch on Ronnie Thompson's bid for a double.

Both Sides Score

Both sides picked up a single tally in the fifth. Tufts scored on a walk, hit batsman and a single, and the Engineers came back as Fenster and Gushee singled and Thompson, who had reached base via a forceout, came in on the front end of a double steal.

The Beavers finally tied the score in the eighth when Thompson, after being hit by a pitch, was sacrificed to second, and came in on a hit by Barney Byrne. After that, however, the Tech attack was stopped cold by Niles' curve ball.

Second Errorless Game

For the second successive game the Engineers played errorless ball afield, and came up with some good defensive plays. . . . Cliff Rounds came in to relieve Dixon after the run had scored in the tenth, and looked sharp. He retired three men in a row to prevent any further scoring. . . . Niles doesn't seem to have much of a fast ball, but his hooks had the Beavers off balance all afternoon, and his control was near-perfect. He walked only one man, and struck out six. . . . Gene Lubarsky threw out two Jumbo baserunners on attempted steals.

The summary:

Tufts				MIT			
	ab	r	h		ab	r	h
Minot, 1b	5	1	1	Thompson, ss	3	2	0
Fobert, lf	1	2	1	Gushee, cf	4	0	2
Panagos, cf	5	0	1	Phillips, 3b	4	0	0
Schluntz, 3b	2	0	0	Byrne, rf	3	0	1
Burns, 2b	2	1	1	Ceantano, 2b	4	0	0
Lowe, rf	5	0	1	Johnson, cf	4	1	1
Bennett, ss	4	0	1	Lubarsky, c	4	0	0
Mullins, c	4	0	0	Fenster, 1b	4	0	1
Niles, p	5	0	0	Dixon, p	3	0	1
Dollner	0	0	0	Rounds, p	0	0	0
				Harsch	1	0	0
				King	1	0	0
TOTALS	33	4	6	TOTALS	35	3	6

*Ran for Lowe in 10th
*Hit for Rounds in 10th
*Hit for Thompson in 10th
Score by Innings:
TUFTS 200 010 000 1—4
MIT 010 010 010 0—3
Errors: Minot, Burns; RBI: Panagos, Burns 2, Byrne, Bennett; Sacrifice: Gushee; Stolen bases: Minot, Burns, Fobert 3, Thompson, Gushee; Double play: Dixon, Lubarsky and Fenster.



Photo by Hall
Ronnie Thompson slides home safely on the front end of a double steal to tally Tech's second run in the fifth inning. In the background is Pete Philliou.

INTRAMURAL SOFTBALL RESULTS

League I
SAE 11—515 Club 1
Walcott 7—515 Club 0
SAE 23—Delta Psi 5
Grad House A 3—SAE 0

League II
Westgate 12—Phi Kappa 7
Phi Kappa 7—Goodale-Bemis 0
Westgate 10—D.U. 6
Westgate 7—Grad House B 0
D.U. 7—Goodale 9
Grad House B 10—D.U. 16

League III
Delta Tau Delta 7—Theta Delta Chi 2
Delta Tau Delta 18—New Doms A 0
Phi Gamma Delta 17—Munroe-Hayden-Wood 5
Phi Gamma Delta 7—Delta Tau Delta 0
Phi Gamma Delta 9—Theta Delta Chi 7
Phi Gamma Delta 18—New Doms A 8
Theta Delta Chi 12—Munroe-Hayden-Wood 4

League IV
New Doms B 15—Kappa Sigma 8
Sigma Alpha Mu 20—Kappa Sigma 17
Old Senior House 24—Kappa Sigma 5
Phi Lambda Phi 3—Sigma Alpha Mu 2
New Doms B 19—Sigma Alpha Mu 8

League V
Pegis Club 14—Phi Mu Delta 13
New Doms C 21—Sigma Nu 1
Pegis Club 7—Barracks 0

League VI
Theta Chi 2—Alpha Club 1
Theta Chi 6—Walker Staff 2
Sigma Chi 8—Alpha Club 0
Theta Chi 12—New Doms D 4

League VII
Delta Kappa Epsilon 13—Catholic Club 10
Dorclan 15—Lenox Club 4
Delta Kappa Epsilon 10—Beta Theta Pi 9
Dorclan 9—Catholic Club 7
Delta Kappa Epsilon 13—Lenox Club 1

League VIII
Student House 17—Latin Americans 5
Phi Kappa Sigma 11—Phi Beta Epsilon 10
ATO 9—Latin Americans 0
Phi Kappa Sigma 12—Student House 6

League IX
Phi Delta Theta 7—Chi Phi 0
Lambda Chi Alpha 16—Agenda 15
Theta Xi 9—Phi Delta Theta 8
Chi Phi 7—Agenda 0
Lambda Chi Alpha 12—Theta Xi 8

Frosh Tennis Team
Overwhelms BU 9-0

Technology's freshman netmen evened their record at one win and one loss last Friday, when they mauled Boston University's frosh by a score of 9-0. The Beavers, playing on the unfamiliar courts of Nickerson Field, dropped only one set as they swept to their smashing victory.

The frosh go to the post again at 2:00 this afternoon when they travel to Keene, New Hampshire to engage Keene Teachers College in what promises to be a nip-and-tuck struggle. They come back tomorrow with a match at Providence with the Brown freshmen, a match which will provide an excellent yardstick for measuring the team's true strength.

The summary:

Singles: Balz (MIT) defeated Sheffield (BU) 6-1, 6-1. Saban (MIT) defeated Joslin (BU) 6-1, 6-0. Malani (MIT) defeated Hook (BU) 6-0, 6-1. Rodzinski (MIT) defeated Sokall (BU) 7-5, 6-1. Gonzales (MIT) defeated Dodge (BU) 1-6, 6-4, 8-6. Martell (MIT) defeated Strauss (BU) 6-1, 6-1. Doubles: Balz and Saban (MIT) defeated Sheffield and Joslin (BU) 10-8, 6-2. Rodzinski and Youell (MIT) defeated Hook and Sokall 6-3, 6-0. Michel and Peckar (MIT) defeated Dodge & Strauss 9-7, 6-1.

Light Magic

(Continued from Page 1)

hours, he displayed an efficient, low intensity bulb which is estimated to last for ½ million hours. After demonstrating numerous bulbs of various length of life, he brought out the shortest lived one produced at G.E.—a split second flash.

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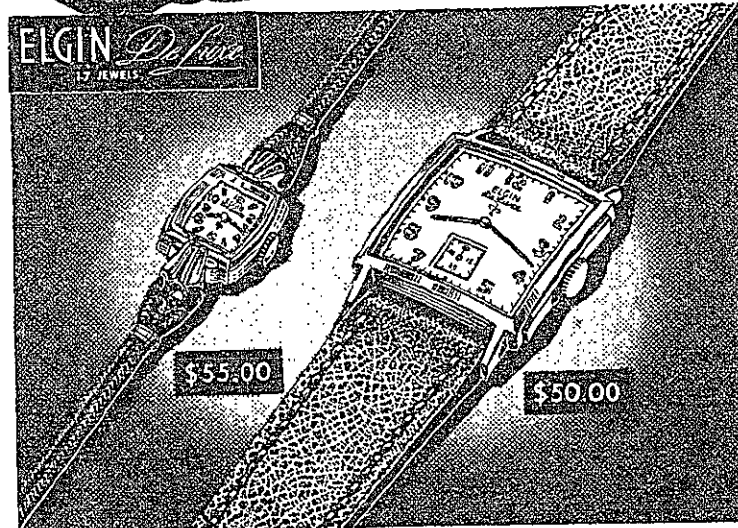
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NOTICES

Deadline Extended

As announced previously in THE TECH, the letters of application should include a brief statement of qualifications and reasons why the applicant wishes to be an advisor. The deadline for applications has been extended to Monday noon May 15. Applicants need not be previous residents of the dormitories, and graduate student applications are being accepted.

Jelly Bean Contest

Chesterfield cigarettes will award two cartons of Chesterfields to the person who guesses closest to the correct number of jelly beans in the jar in the Harvard Coop. To enter the contest, one writes his guess and name and address on the back of a Chesterfield wrapper and places it in the box next to the jar on the tobacco counter.

Second prize will be one carton of Chesterfields. There is no limit to the number of entries which one person may submit, as long as each is on the back of a Chesterfield wrapper.

Tech House

Applications for the use of Tech House for the coming year, 1950-1951 are available at the T.C.A. office. Deadline for applications is May 10. The selection of dates and groups will be made by lot.

Student Tutors

Applications for Student Tutors for the academic year 1950-51, are

now available at the Dean of Students' Office, Room 7-133. These applications should be filed not later than May 22.

Advanced R.O.T.C.

Veterans with two full years remaining at the Institute may enroll in Advanced R.O.T.C. and obtain commission in the Reserves upon graduation. Those interested may consult the Department of Military Science to determine eligibility.

Veteran Benefits

A new change in the Veterans Administration will result in the termination of all P. L. 364 benefits on the acquisition of Bachelor or Master of Science degrees. Students planning to go on for further work must obtain a Supplemental Certificate by filing V. A. Form 1905-e. The form 1905-e is available in Room 7-133 and should be submitted to the Veterans Administration before the beginning of the advanced course.

Lacrosse

(Continued from Page 3)

to put the Engineers out in front 3-2 at halftime.

After the intermission Harvard came back to score five times in the third period while Ehrenfeld was the only Tech man who could break through to counter for the Beavers. Both teams were held scoreless during the final quarter.

Tomorrow afternoon the varsity will look for their first win of the season as they entertain the University of New Hampshire at Briggs Field. The game begins at 2:00 p.m.

AFTER HOURS

DANCES

Courtesy "The Tom Cat Hour"

FRIDAY, MAY 5
Mass. General Hospital—May Day dance with music by Lew Jeffrey's Orchestra. 8:30 p.m. Moseley Bldg.
SATURDAY, MAY 6
Wellesley College—admission 50c. For tickets and further information contact Neil Panzier in Nichols 204.

SPORTS

FRIDAY, SATURDAY, MAY 5, 6
Baseball—Red Sox vs. White Sox. Fenway Park at 2:30 p.m.

SUNDAY, MAY 7
Baseball—Browns vs. Red Sox. Fenway Park at 2:30.

TUESDAY, WEDNESDAY, THURSDAY, MAY 9, 10, 11
Baseball—Tigers vs. Red Sox. Fenway Park at 2:30.

ON STAGE

Mr. Roberts—Colonial. This salty tale of shipboard tensions during the war seems destined to remain in Boston indefinitely. Its success is well deserved, offering as it does a shipshape cast and production.

E. U. R.—Peabody Playhouse, Friday and Saturday. The M.I.T. Dramashop does greasepaint to present Karel Capek's melodrama of the future. The prologue will be given by Prof. Norbert Wiener.

Ballet Russe—Opera House. For its annual visit the company again offers the standard works of the ballet repertory. Very nice.

ON SCREEN

Titan—Kenmore. A photographic journey through the magnificent works of art which are Michelangelo's legacy to the world. This ambitious undertaking is surprisingly well executed.

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Koppen

(Continued from Page 2)

Koppen has received nation-wide acclaim from leaders in the aeronautical field. The Helioplane has been featured in the pages of "Life" and on the cover of "This Week Magazine." Meanwhile, letters from foreign countries continue to flow into the professor's office as articles describing the plane are translated into a score of languages.

Professor Koppen is little affected by all this acclaim. He continues to live in his comfortable home in Wellesley Hills, where his friendly

family of five are known as the "Kindly Koppen Kin." Although he has three children in junior and senior high school, and recently celebrated his fiftieth birthday, the professor is as young-looking and spry as some men half his age. He is now engaged in improving the Helioplane, as he continues to devote his competent talents to further contributions in the field of aeronautics.

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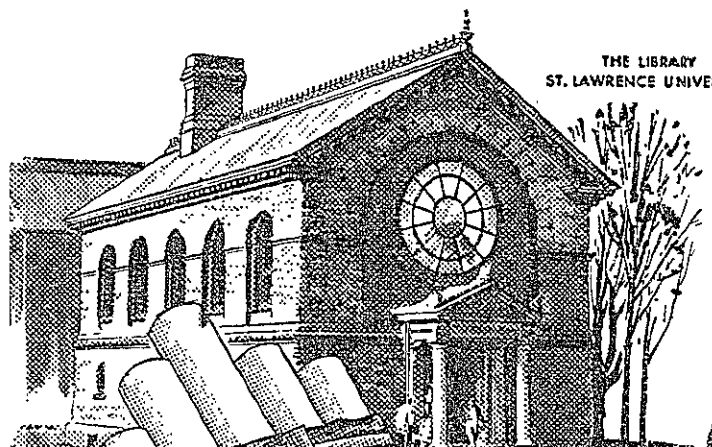
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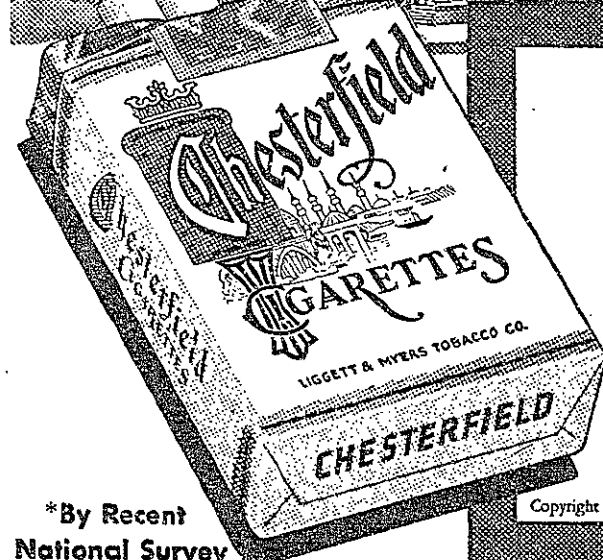
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